



S H E P A R D B R O S. I N C .

MATERIAL SAFETY DATA SHEET (MSDS)

SECTION 1.

COMPANY AND PRODUCT IDENTIFICATION:

MANUFACTURER'S NAME: Shepard Bros., Inc.	EMERGENCY TELEPHONE NUMBER (Chemtrec): (800) 424 – 9300
ADDRESS: 503 S. Cypress St. La Habra, CA 90631	TELEPHONE NUMBER FOR INFO: (562) 697-1366
DATE PREPARED: 10/01/10	FAX NO. (562) 697-5786
PRODUCT NAME: SANO QUAT 4100	DESCRIPTION: Disinfectant, Sanitizer, Deodorizer, Virucide

SECTION 2.

HAZARDS IDENTIFICATION:

I. EMERGENCY OVERVIEW

DANGER. Corrosive to the eyes, skin, gastrointestinal tract, and respiratory system.

Clear, colorless to straw colored liquid.

Routes of Entry: eye, skin, inhalation, ingestion

II. POTENTIAL HEALTH EFFECTS

INHALATION: Vapors or mists may cause irritation to nasal and upper respiratory tract, drowsiness, and inability to concentrate.

SKIN CONTACT: Prolonged or repeated exposure may cause severe irritation. Corrosive.

EYE CONTACT: May cause severe irritation and possible burns. Corrosive.

INGESTION: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

CHRONIC EFFECTS AND MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: Chronic effects and medical conditions aggravated by overexposure to this product have not been established.

SECTION 3.

COMPOSITION / INFORMATION ON INGREDIENTS:

The identity of individual components of this mixture is proprietary information and regarded to be a trade secret. However, based on the health hazard determination of ingredients present at a concentration greater than 1% and 0.1% or more of a carcinogenic substance, this mixture presents the following hazard:

HAZARDOUS COMPONENTS	% (RANGE)	CAS NO.	OSHA PEL	ACGIH TLV
Alkyl dimethyl benzyl ammonium chloride (C12-16)	3 – 5	68424-85-1	Not established	Not established
Octyl decyl dimethyl ammonium chloride	2 – 4	32426-11-2	Not established	Not established
Dioctyl dimethyl ammonium chloride	1 – 2	5538-94-3	Not established	Not established
Didecyl dimethyl ammonium chloride	1 – 2	7173-51-5	Not established	Not established
Ethanol	<2	64-17-5	1000 ppm	1000 ppm



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SECTION 4.

FIRST AID MEASURES:

INHALATION: Immediately move victim to fresh air. Give artificial respiration if breathing has stopped. Get medical attention immediately.

SKIN: Immediately flush the area with flowing water for at least 15 minutes, while removing contaminated clothing. Wash the area with a nonabrasive soap and plenty of water. Wash clothing separately before reuse.

EYES: Immediately flush with plenty of water, alternately lifting the upper and lower eyelids. If appropriate, after 5 minutes, remove contact lenses and continue flushing the eyes for an additional 15 minutes. Get medical attention if irritation persists.

INGESTION: Drink 2-3 glasses of water. Do not induce vomiting or give anything by mouth to an unconscious or convulsing person. Get prompt medical attention.

SECTION 5.

FIRE FIGHTING MEASURES:

EXTINGUISHING MEDIA: Alcohol foam, CO₂, water fog, sand/earth

UNUSUAL FIRE AND EXPLOSION HAZARDS: Products of combustion are toxic. Use a water spray to cool.

SPECIAL FIRE FIGHTING PROCEDURES: Must wear NIOSH approved or equivalent self-contained breathing apparatus and protective clothing.

SECTION 6.

ACCIDENTAL RELEASE MEASURES:

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Isolate area and eliminate all ignition sources. Wear appropriate protective equipment and clothing during clean-up. Contain spill using an inert diking material. Transfer material into an approved container for possible recovery and reuse or for disposal. Keep product out of sewers, watersheds, and water systems. Caution! Floors may become slippery.

SECTION 7.

HANDLING AND STORAGE:

USAGE PRECAUTIONS: Use as directed. Avoid contact with skin and eyes. Handle in accordance with good industrial hygiene and safety practice.

STORAGE PRECAUTIONS: Store in a cool, well-ventilated area. Protect containers against damage. Keep containers closed when not in use. Store away from heat, sparks, open flame or sunlight. Keep out of reach of children.

OTHER PRECAUTIONS: Keep from freezing.

SECTION 8.

EXPOSURE CONTROLS AND PERSONAL PROTECTION:

ENGINEERING CONTROLS: Ensure adequate ventilation. Local exhaust is suggested for use in enclosed or confined areas. Maintain eye wash and safety shower equipment.

RESPIRATORY PROTECTION: Avoid breathing vapors and mists. If ventilation is not sufficient to effectively prevent buildup of vapors or mists and the exposure limit is exceeded, use a NIOSH/MSHA approved respirator, with a full-facepiece or a full-facepiece respirator with organic vapor cartridges.

SKIN PROTECTION: Wear rubber or neoprene gloves. Appropriate protective clothing should be worn depending on activity and possible exposure, e.g, head protection, apron, long-sleeve outer garment, or lab coat.

EYE PROTECTION: Wear chemical goggles. Use a face shield if splashing is possible.



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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:

FLASH POINT: none
BOILING POINT: not available
MELTING POINT: not available
VAPOR PRESSURE (mm Hg): not available
% VOLATILE: 1.5% by weight
VAPOR DENSITY: Heavier than air
APPEARANCE: Clear, colorless to straw colored liquid
ODOR / TASTE: Benzaldehyde (organic) odor
SOLUBILITY IN WATER: Complete
pH at 25°C: 6 – 8

SECTION 10. STABILITY AND REACTIVITY:

STABILITY Unstable X Stable

INCOMPATIBILITY (*Materials to Avoid*): Strong oxidizing or reducing agents.

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce toxic vapors/fumes of hydrogen chloride, carbon monoxide, and carbon dioxide.

HAZARDOUS POLYMERIZATION: MAY OCCUR X WILL NOT OCCUR

CONDITIONS TO AVOID: Keep away from heat and strong oxidizing agents.

SECTION 11. TOXICOLOGICAL INFORMATION:

Acute Oral LD50: 1850 mg/kg in male and female rats.

Acute Dermal LD50: > 2000 mg/kg in albino rabbits.

SECTION 12. ECOLOGICAL INFORMATION:

Very toxic to aquatic organisms. This product is biodegradable.

SECTION 13. DISPOSAL CONSIDERATIONS:

Collect and dispose of in accordance with Federal, State and Local laws and regulations.

SECTION 14. TRANSPORT INFORMATION:

DOT

Disinfectant liquid corrosive, n.o.s., (quaternary ammonium compound), 8, UN1903, PGII

If packaged in <= 0.3 gallons (1.0 liter) containers: ORM-D

SECTION 15. REGULATORY INFORMATION:

This product is not considered a carcinogen or cancer suspect under NTP, IARC and OSHA.

SARA Title III Section 302 Extremely Hazardous Substances(40 CFR355, Appendix A):

None listed

SARA Title III Section 313 Reportable Ingredients(40 CFR372):

None listed



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CERCLA Designation & Reportable Quantities (RQ) (40 CFR 302.4):

None listed

CALIFORNIA/OSHA DIRECTOR'S LIST OF HAZARDOUS SUBSTANCES (8 CCR 339): Ethanol

CALIFORNIA PROPOSITION 65: This product may contain a trace amount of Benzyl Chloride (< 10ppm)

Label: Corrosive

NFPA RATING: Health: 3 Fire: 0 Reactivity: 0

SECTION 16. OTHER INFORMATION:

SUPERSEDES: NA

NA: not applicable ND: not determined

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